



Product: [31518](#)

Lead Wire, #18 Str TC, Neoprene Ins, AWM 3044

Request Sample

Product Description

Low Temp Rubber Lead Wire, 18AWG (19x30) Tinned Copper, Neoprene Insulation, AWM 3044 CSA TYPE CL902 300V 90C

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of appliances, oil resistance applications, motor lead systems
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18 AWG	19x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.032 in (0.81 mm)	0.109 in (2.77 mm)
Overall Cable Diameter (Nominal):		0.109 in (2.77 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
7.06 Ohm/1000ft	22.4 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V (AWM 3044)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-30°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
1.09 in (27.7 mm)	1.09 in (27.7 mm)
Max. Pull Tension:	24.7 lbs (11.2 kg)
Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Oil Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	Horizontal flame

AWM Compliance:	AWM 3044
CEC / C(UL) Compliance:	CL-902
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
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History

Update and Revision:	Revision Number: 0.501 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
31518 010500	Black	Reel	500 ft	612825142416	F
31518 0102000	Black	Reel	2,000 ft	612825142409	C 1
31518 0105000	Black	Reel	5,000 ft	612825142423	C I U Z
31518 0062000	Blue, Light	Reel	2,000 ft	612825142379	I U
31518 0065000	Blue, Light	Reel	5,000 ft	612825142386	C I U Z
31518 0015000	Brown	Reel	5,000 ft	612825142324	C I U Z
31518 005500	Green, Dark	Reel	500 ft	612825142355	F
31518 0055000	Green, Dark	Reel	5,000 ft	612825142362	C I U Z
31518 0025000	Red	Reel	5,000 ft	612825142331	C I U Z
31518 0095000	White	Reel	5,000 ft	612825142393	C I U Z
31518 0045000	Yellow	Reel	5,000 ft	612825142348	C I U Z

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